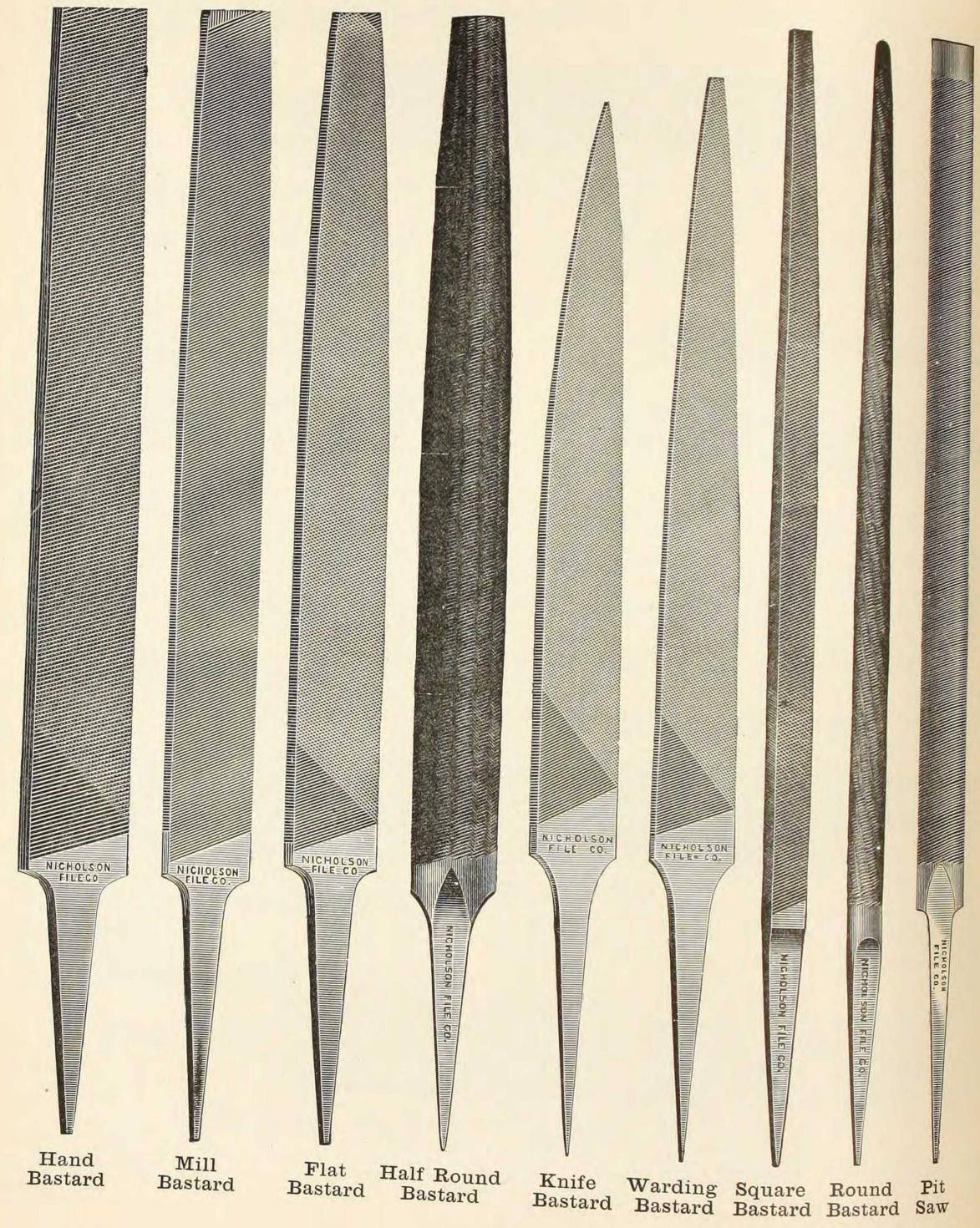


## NICHOLSON FILE COMPANY'S FILES

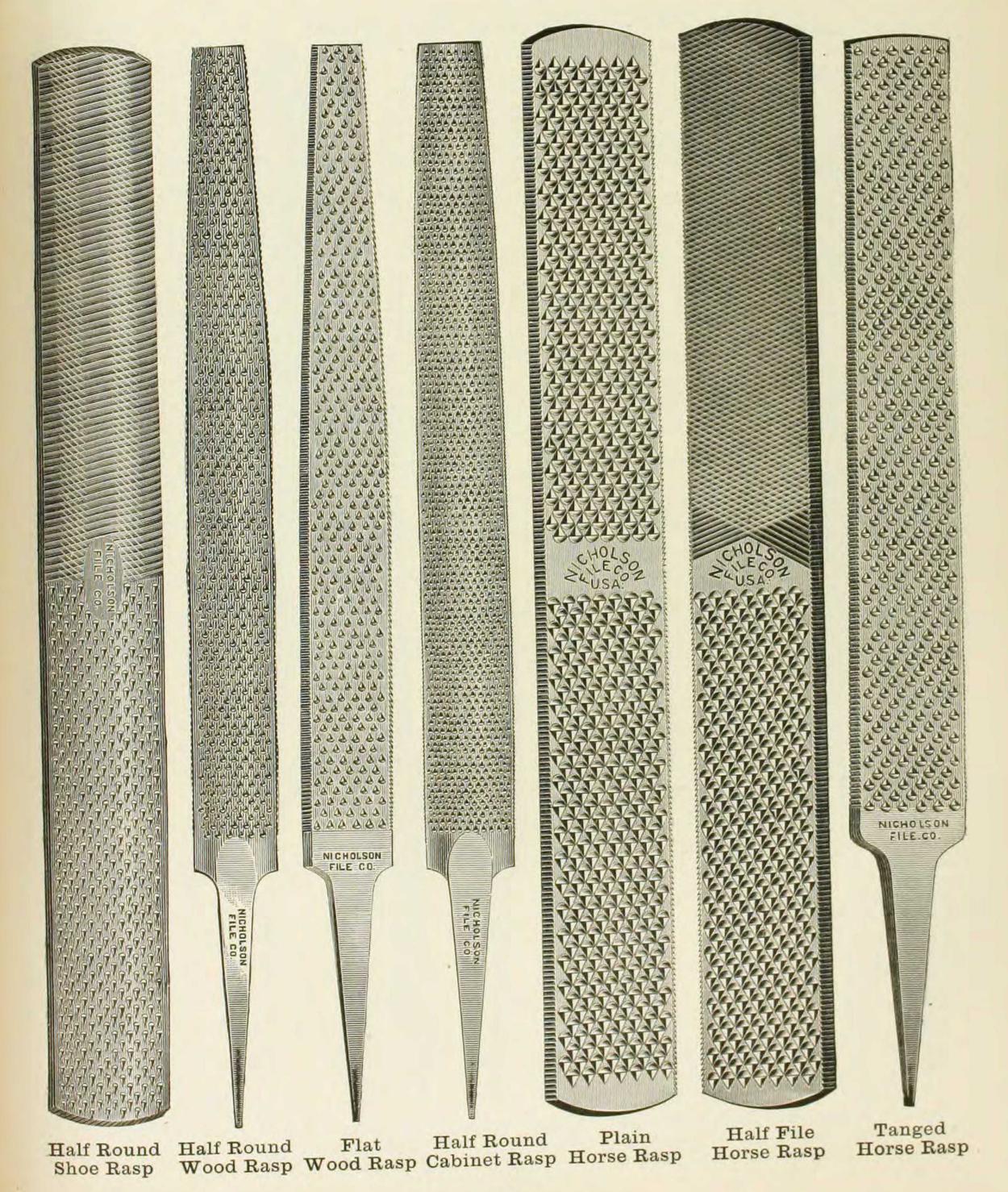
ILLUSTRATIONS
OF
PATENT INCREMENT CUT FILES





### NICHOLSON FILE COMPANY'S RASPS

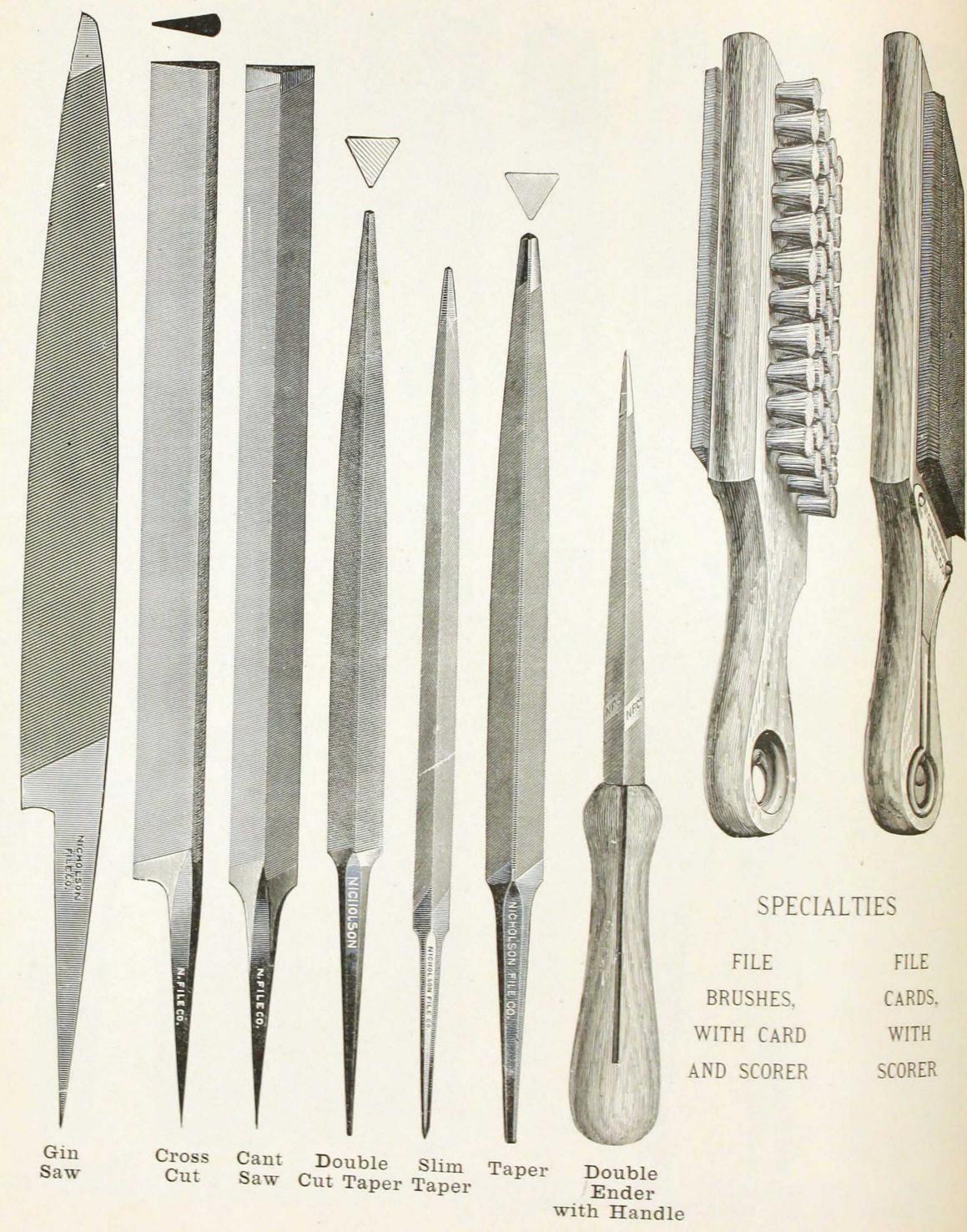
ILLUSTRATIONS
OF
PATENT INCREMENT CUT RASPS





# NICHOLSON FILE COMPANY'S FILES AND TOOLS

ILLUSTRATIONS
OF
FILES, TOOLS, AND SPECIALTIES





OF

## PATENT INCREMENT CUT FILES AND RASPS

MANUFACTURED EXCLUSIVELY BY THE

#### NICHOLSON FILE COMPANY

LIST OF JULY 1, 1897

PER DOZEN

	Mill	and Ro	und.		Flat.			Square.		Hlf. Rd.	and Th	ree Sq.
Size, inches.	Bastard.	2d Cut.	Smooth.	Bastard.	2d Cut.	Smooth.	Bastard.	2d Cut.	Smooth.	Bastard.	2d Cut.	Smooth.
1	#2.20	\$2.60	\$2.90	\$2.70	\$3.20	\$3.50	\$2.80	\$3.40	\$3.70	\$3.60	\$4.20	\$4.50
4	\$2.20	2.80	3.10	2.90	3.40	3.70	3.10	3.60	3.90	4.00	4.50	4.80
5	2.40	3.00	3.30	3.20	3.60	3.90	3.40	3.80	4.10	4.50	5.00	5.30
6 7		3.40	3.70	3.60	4.10	4.50	3.80	4.30	4.70	5.20	5.70	6.10
	2.90		4.00	3.90	4.50	4.90	4.10	4.70	5.20	5.60	6,20	6.60
8	3.20	3.70	4.70	4.70	5.40	5.90	4.90	5.70	6.20	6.30	7.00	7.40
9	3.70	4.30	5.20	5.20	6.00	6.50	5.50	6.30	6.80	6.80	7.50	8.00
10	4.20	5.80	6.30	6.40	7.30	8.00	6.80	7.70	8.40	8.00	8.80	9.40
11	5.00	6.40	7.00	7.20	8.20	9.00	7.60	8.60	9.50	8.80	9.70	10.40
12	5.60	8.00	8.70	8.80	10.10	11.00	9.30	10.60	11.50	10.50	11.50	12.30
13	7.00		9.80	9.90	11.40	12.40	10.40	12.00	13.00	11.60	12.70	13.60
14	8.00	9.10	12.00	11.90	13.60	14.90	12.60	14.30	15.60	13.80	15.20	16.20
15	9.80	11.10			15.00	16.60	14.00	15.80	17.40	15.30	16.80	18.00
16	11.00	12.50	13.40	13.30	18.00	19.70	16.80	18.90	20.50	18.40	20.10	21.50
17	13.50	15.10	18.10	17.80	20.00	21.80	18.70	21.00	22.60	20.50	22.30	23.80
18	15.10	16.90		21.20	23.60	25.80	22.10	24.80	26.60	24.40	26.60	28.40
19	18.30	20.50	21.90		26.30	28.50	24.40	27.30	29.30	27.00	29.40	31.50
20	20.40	22.90	24.50	23.50	20.30	20.50	24.40	51.0	7.0			
" De	unt, Dbl. ouble arrow Po	1.4	ance 2 in.		lunt) Do Ivance 2	uble Cut, in.	Square I	Blunt, adv	ance 1 in.	Crossing Tumbler	, adv	ard price. ance 2 in.
" M	arrow ro achine, riangular		" I "	S	stavesa	w.	Staves	saw, Im	proved.	Feather (Blunt	),	2
" Fa	armers' (	Dwn.	rd, 1 "	8 inch	es,	\$7.00	6 inc	hes,	\$4.80 5.50	High Ba Half Ro		2 "
-			le Ende	r. with	Handle	e.	7 8 9	(	6.00			
						Is a	10	* *	8.00			
THE NA DOUB ENDS	LE	7 .60 \$	8	9	10 \$3.70	TRADE MARK.	12	11	11.50			
	Han	d and	Pillar.	On	Mill. e Round	Edge.	Tw	Mill.	Edges.		Knife	•
Size, inches.	Bastard	. 2d Cut	. Smooth.	Bastard	. 2d Cut	. Smooth	Bastard	. 2d Cut	. Smooth	. Bastard	. 2d Cut	. Smooth
							\$2.80	\$3.30	\$3.60	\$4.00	\$4.50	\$4.80
4	\$2.70	\$3.20	\$3.60	\$2.50	\$2.90		3.00	3.50	3.90	4.50	5.00	5.30
5	2.90	3.50	3.90	2.70	3.20		3.30	3.80	4.10	5.10	5.60	5.90
6	3,20	3.80	4.20	2.90	3.40		3.70	4.30	4.60	5.80	6.30	6.60
7	3.70	4.30	4.70	3.30	3.90		4.00	4.60	5,00	6.30	6.80	7.10
8 9	4.00	4.70	5.00	3.60	4.20		4.80	5.40	5.90	7.00	7.90	
9	5.00	5.80		4.30	4.90		5.30	6.00		7.50	8.60	
10	5.60	6.50	100 100 m	4.70	5.40 6.50		6.30	7.30	and the same of the same of	9.10	10.20	10.90
11	7.00	8.10		5.70	7.20		7.00	8.00	200 200	10.20	11.30	
12	8.00	9.20		6.30	9.00	0	8.80		10.90	12.20	13.40	100
13	9.90	11.30		7.90	10.20	6	10.00			13.50	14.80	15.80
14	11.10	12.70	The state of the s	9.00	12.50		12.30					
15	13.40	15.30	0	12.40	14.10		13.80		1000			
16	15.00	17.00		15.20	17.00	0	16.90		20.30	1		
17	18.00	20,20	The same of the sa	17.00	19.00				22.60			
18	20,00	22.30			2							
Cotte	ing (Blun er Blunt o er, on 2d	r Taper,	vance 2 in		4							



OF

# PATENT INCREMENT CUT FILES AND RASPS

MANUFACTURED EXCLUSIVELY BY THE

LIST OF JULY 1, 1897

#### NICHOLSON FILE COMPANY

PER DOZEN

Size,	Tap	pers.	Slim 7	Tapers.	Band Blunt an	dsaw.	Pit Saw.	Cant Saw.	Cross Cut.	Hook Tooth.	Planer	ed
inches.	Single Cut.	Double Cut.	Single Cut.	Double Cut.	Regular.	Slim.	Single Cut.	Single Cut.	Single Cut.	Single Cut.	Single	serioth,
3 3½ 4 4½ 5 5½ 6 7 8 9 0 1 2	\$1.50 1.60 1.80 2.00 2.20 2.50 3.20 4.00 4.90 6.00 8.00 9.30	\$1.90 1.90 2.10 2.30 2.60 3.00 3.50 4.20 5.00 6.00 7.20 9.00 11.00	\$1.50 1.60 1.70 1.90 2.10 2.30 2.80 3.30 4.00 4.80 6.20 7.10	\$1.90 1.90 2.00 2.20 2.40 2.60 2.90 3.30 3.90 4.70 5.60 6.80 8.20	\$1.90 1.90 2.10 2.30 2.60 3.00 3.50 4.20 5.00 6.00 7.20 9.00 II.00	\$1.90 1.90 2.00 2.20 2.40 2.60 2.90 3.30 3.90 4.70 5.60 6.80 8.20	\$3.60  4.00  4.50 5.20 5.60 6.30 6.80 8.00 8.80	\$3.20  \$3.50  4.00 4.50 4.80 5.80 6.50 7.70 8.50	\$3.60  4.00 5.20 5.60 6.30 6.80 8.00	\$5.00 5.70 6.20 7.50 8.80	\$4.80 6.40	\$6.20 7.50 7.51
13 14	11.80	13.00 15.30	9.00	9.80 11.50	13.00 15.30	9.80		8.50 Round Gi	8.80   ulleting to	9.70	9.00	

Horse Rasps. Size, File Rasps. Wood Files. inches. Bev. &3/4 Rasp. Plain. Tanged. Flat. Half Round. Flat. Half Round. Cabinet. 6 \$5.50 \$6.00 7 Patent "RACER" Brand Horse \$3.20 \$4.50 \$6.00 6.40 6.90 8 Rasps take these Prices. 3.60 5.20 6.90 7.00 9 7.50 3.90 5.60 7.50 8.50 10 9.10 4.70 \$7.00 \$8.00 6.30 \$9.50 9.10 9.50 11 10.20 8.50 5.20 6.80 9.60 10.20 11.30 11.60 12 12.50 9.50 6.40 8.00 10.70 12.50 12.50 13.00 13 14.00 7.20 11.30 8.80 12.70 14.00 14.60 15.60 14 16.70 8.80 13.30 10.50 15.00 16.70 17.20 17.30 15 18.50 15.60 9.90 11.60 17.60 18.50 20.30 20.70 16 22.IO 18.20 11.90 13.80 20.50 22.10 24.00 23.00

Size,		Wood Rasp	s.		Shoe Rasps		13.30 15.30 24.50			
512e, inches.  4 5 6 7 8 9 10 11 12	#5.50 6.40 7.00 8.50 9.50 11.60	#6.00 6.90 7.50 9.10 10.20 12.50	Cabinet.  \$7.50 8.70 9.50 11.60 13.00 15.40	Flat.  \$6.00 6.90 7.50 9.10 10.20 12.50	Hf. Round.  Hf. Round.  \$6.00 6.90 7.50 9.10 10.20 12.50	Oval.  \$6.90 7.50 9.10 10.20 12.50	\$3.00 3.30 3.70 4.40 4.80 5.80 6.50	Warding.  2d Cut.  \$3.60 3.90 4.40 5.10 5.60 6.70 7.50	\$4.00 4.30 4.80 5.60 6.10 7.40 8.20	
13 14 15 16	13.00 15.60 17.30 20.70 23.00	14.00 16.70 18.50 22.10 24.50	17.00 20.00 22.00 25.30 27.50	14.00 16.70 18.50	12.50 14.00 16.70 18.50 <b>Makers' Ra</b> advance on Cabir	14.00 16.70  sps.	8.10 9.20 11.30 12.70	9.40 10.60 12.90 14.50	10.20 11.50 14.00 15.70	

Sizes below 4 inches, not extended, take 4 inch price. Half inches not specified, take next higher full inch price. Dead Smooth, double the price of Bastard Cut. One Round Edge, advance 12½ per cent.

Blunt Files not specified, advance one inch on respective kinds and cuts. Single or Float Cut not specified, on regular shapes take Double Cut price. Equalings (Bellied), advance two inches on respective kinds and cuts. Two Round Edges, advance 25 per cent.

Cuts not specified, made upon regular blanks, advance one inch on respective kinds and nearest cut. Irregular Goods: all lengths above those listed, and files varying from standard sizes, to be classed as irregular and subject to special prices.

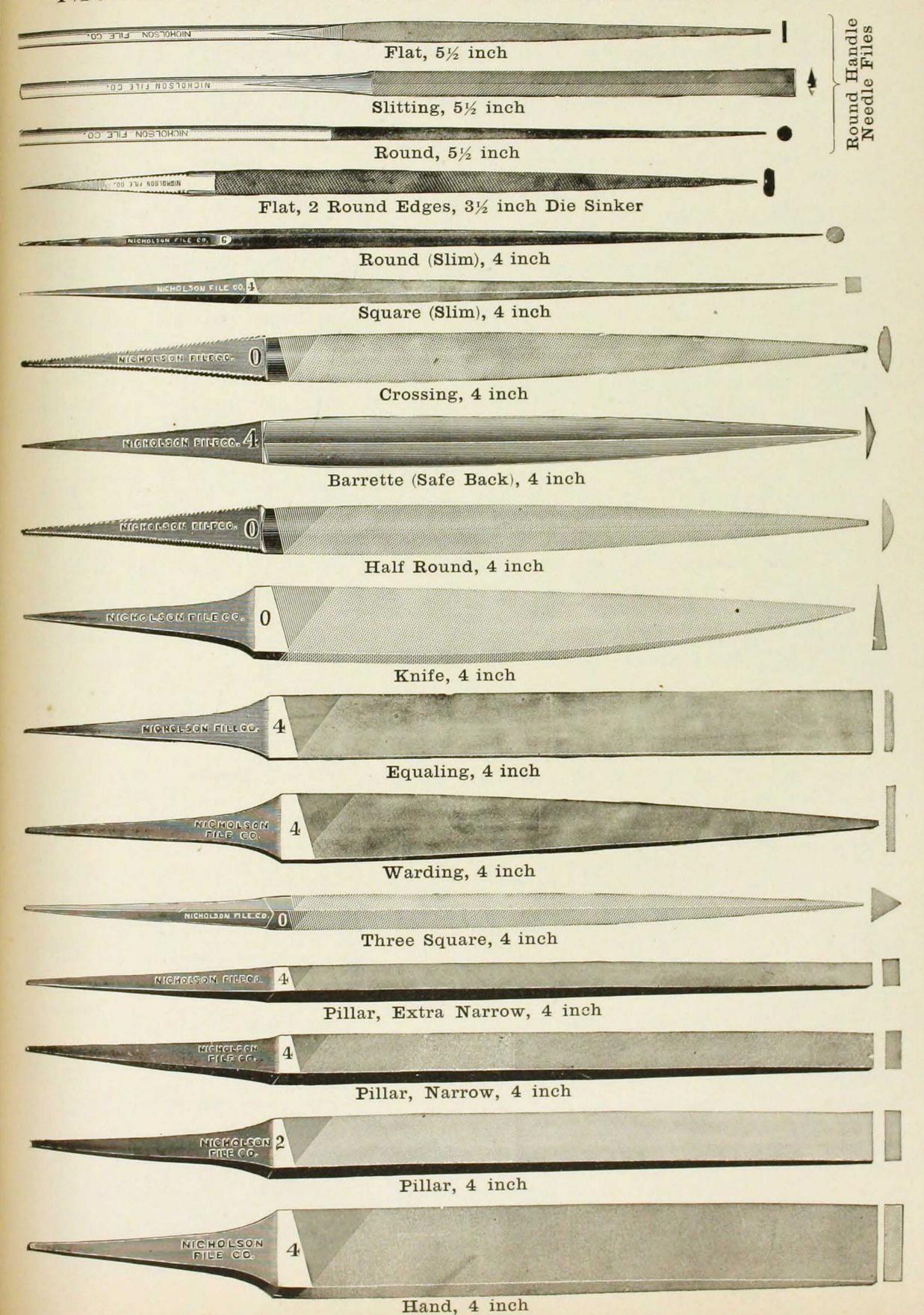
# RUSSELL & ERWIN MANUFACTURING CO.'S SPECIAL BRAND "RUSSWIN"

A Thoroughly Reliable and Warranted File. Complete assortment of the regular sizes.

LIST PRICES SAME AS NICHOLSON'S FILES.



### NICHOLSON FILE CO.'S SWISS PATTERN FILES



OF

## EXTRA [X \* F] FINE SWISS PATTERN FILES

#### ALSO TOOLS AND SPECIALTIES

MANUFACTURED EXCLUSIVELY BY THE

#### NICHOLSON FILE COMPANY

LIST OF JANUARY 1, 1898

Thickness of \ Thin \ \\$0.02 \ Drill or Joint \ Thick \ \ .06

.03

.07

.04

.08

.05

.09

.06

.IO

.08

.12

PER DOZEN

Per dozen.

Horse Mouth Rasps. Per dozen.
Long Handle, Plain, \$12.00; nickeled, \$20.00
Jointed, Nickeled,

	Pilla	r, Pilla	ar Narı Two	ow, Pi Safe I	llar Ex Edges.	tra Na								
Size, inches,	3	31/2	4	41/2	5	6	7	8	3	3½	4	41/2	5	6
Cut No. 00 & 0 } Cut No. 1 & 2 } Cut No. 3 & 4 Cut No. 5 Cut No. 6 Cut No. 8	\$2.30 2.50 2.60 2.80 3.00	2.40 2.60 2.80 2.90 3.20	2.80 2.90 3.00 3.20 3.50	3.50 3.70 3.90 4.10 4.30	3.80 4.00 4.20 4.50 4.80	4.50 4.70 4.90 5.10 5.80	5.20 5.50 5.90 6.50 7.30	6.30 6.70 7.30 7.70 8.80	2.10 2.20 2.30 2,30 2.40	2.30 2.40 2.50 2.50 2.60	2.60 2.70 2.80 2.80 3.10		3.90 4.00 4.10 4.10 4.30	4.20 4.30 4.30

Size, inches,	2	21/2	3	3½	4	41/2	5	6	7	8	10	Pillar, Pilla Narrow, an
Width in Decimal parts of an inch stated as near as practicable.  Hand, Pillar, Pillar Narrow, Pillar Ex. Narrow,	\$0.33 .23 .17 .12	.38 .26 .19	.43 .29 .22 .14	.48 .32 .24 .16	·53 ·35 ·27 ·18	.58 .38 .29	.62 .42 .31 .21	.72 .48 .36 .24	.81 ·54 .41 ·27	.90 .60 .45	1.09 ·73 ·55 ·36	Pillar Extr Narrow, wit one or bot edgescut,tak same Lis Price as wit two safeedge

Size, inches,	3	3½	4	41/2	5	6	7	8	N	Teedle Files.
Knife, Warding, Equaling, Slitting, Half Round, Crossing, Barrette, Square, Round, Round Straight, Barrette, cut all sides, Cant, Crochet, all cuts, Drill or Joint, Knd.orSq.Edge,	1.60 1.70 2.40 2.40	2.50 2.30 2.30 2.50 2.30 2.40 2.30 1.70 1.80 2.60 2.60 2.30 1.90	2.90 2.80 2.70 2.90 2.80 2.80 2.10 2.20 3.10 3.10 2.80 2.10	3.60 3.50 3.60 3.60 3.60 2.80 2.80 3.80 3.80 3.80 2.80 2.80	3.00	4.90 4.50 4.30 4.40 4.80 4.80 4.40 3.50 3.40 3.60 4.70 4.70 4.20 3.30	5.80 5.40 5.50 5.60 5.90 6.00 5.50 4.80 4.70 5.00  4.40 3.70	6.30 6.70 5.90 6.30 6.40 6.80 6.90 5.90 5.80 6.00  4.60 4.20 4.20 doz.	Round, Flat, Oval, King, Slitting, Joint, Handle), or Half Round Put up in dozens, or in kinds. Assorted order does not state  File Card, with S File Brush, with C Bent Rifflers, Ha	10 cm. or 4 inches, \$1.  12 cm. or 4¾ "  14 cm. or 5½ "  16 cm. or 6¼ "  1.  14 cm. or 5½ inches, \$2.  twelve varieties, viz.: Round, Inife, Square, Three Square, Edund Blunt (if Square Handle either assorted (one of each keep dozens will always be sent wotherwise.  1e Cleaners.  corer, per dozen, \$2.  ard and Scorer, "  andled, et of 6, assorted shapes, \$3.  crs, Handled, et of 6, assorted shapes, \$3.  per dozen, "  per dozen, "



.09

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